

WHAT IS CLAIMED IS:

1. A system for intelligent caching and network management, comprising:

5 contextual information representing needs of a user; a contextual system, which determines settings based on the contextual information and determines services and devices available for the user, in accordance with the contextual information; and

10 a predictor which receives the contextual information, the settings, the services available and the devices available and predicts the needs of the user to make resources available to the user in accordance with predictions.

15 2. The system as recited in claim 1, wherein the settings include a user preference profile which includes user preferences employed by the predictor to predict a location of the user and resources needed at the location.

20 3. The system as recited in claim 2, wherein the user preferences are determined by past occurrences of user activities.

4. The system as recited in claim 2, wherein the user preference profile includes manually entered data.

5. The system as recited in claim 1, wherein the contextual information includes a user itinerary.

5 6. The system as recited in claim 1, wherein the devices available include one of a mobile communication device, a stationary communication device and a computer.

10 7. The system as recited in claim 1, wherein the resources include at least one of a file, an application and data.

15 8. The system as recited in claim 1, further comprising a universal messaging system coupled to the predictor, the universal messaging system being configured to provide message services in accordance with the needs of the user predicted by the predictor.

9. A system for intelligent caching and network management, comprising:

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event and time information representing a user's
schedule;

a location database including information about
destination devices and capabilities of the destination
devices;

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a predictor which receives the event and time
information and the information and capabilities of the
destination devices to predict at least one of a location of
the user and resources needed at the location such that the
resources are transferred to the user at a location when and
where the resources are needed.

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10. The system as recited in claim 9, further
comprising a user preference profile which includes user
preferences employed by the predictor to predict the at
least one of a location of the user and resources needed at
the location.

11. The system as recited in claim 10, wherein the
user preferences are determined by past occurrences of user
activities.

12. The system as recited in claim 10, wherein the user preference profile includes manually entered data.

13. The system as recited in claim 9, wherein the event and time information includes a user itinerary.

5 14. The system as recited in claim 9, wherein the destination devices include one of a mobile communication device, a stationary communication device and a computer.

10 15. The system as recited in claim 9, wherein the resources include at least one of a file, an application and data.

15 16. The system as recited in claim 9, further comprising a universal messaging system coupled to the predictor, the universal messaging system being configured to provide message services in accordance with the needs of the user predicted by the predictor.

17. A method for intelligent caching and network management, comprising:

representing a user's schedule with event and time
information;

identifying destination devices and capabilities of the
destination devices from a location database which are
available for transferring information to a user in
accordance with the user's schedule; and

predicting at least one of a location of the user and
resources needed at the location based one the event and
time information and the information and capabilities of the
destination devices.

18. The method as recited in claim 17, further
comprising the step of providing a user preference profile
which includes user preferences employed by the predictor.

19. The method as recited in claim 17, wherein the
step of providing the user preference profile includes
determining user preferences based on by past occurrences of
user activities.

20. The method as recited in claim 17, wherein the
step of providing the user preference profile includes

determining user preferences based on manually entered data.

21. The method as recited in claim 17, wherein the event and time information includes a user itinerary.

5 22. The method as recited in claim 17, wherein the destination devices include one of a mobile communication device, a stationary communication device and a computer.

10 23. The method as recited in claim 17, wherein the resources include at least one of a file, an application and data.

24. The method as recited in claim 17, further comprising the step of transferring the resources to the user at a location when and where the resources are needed.

15 25. The method as recited in claim 24, wherein the step of transferring the resources to the user includes blocking unwanted messages to the user.

26. A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for intelligent caching and network management, the method steps comprising:

5 representing a user's schedule with event and time information;

10 identifying destination devices and capabilities of the destination devices from a location database which are available for transferring information to a user in accordance with the user's schedule; and

15 predicting at least one of a location of the user and resources needed at the location based one the event and time information and the information and capabilities of the destination devices.

27. The program storage device as recited in claim 26, further comprising the step of providing a user preference profile which includes user preferences employed by the predictor.

20 28. The program storage device as recited in claim 27, wherein the step of providing the user preference profile

includes determining user preferences based on by past occurrences of user activities.

29. The program storage device as recited in claim 27,
wherein the step of providing the user preference profile
5 includes determining user preferences based on manually entered data.

30. The program storage device as recited in claim 26,
wherein the event and time information includes a user itinerary.

10 31. The program storage device as recited in claim 26,
wherein the destination devices include one of a mobile communication device, a stationary communication device and a computer.

15 32. The program storage device as recited in claim 26,
wherein the resources include at least one of a file, an application and data.

33. The program storage device as recited in claim 26,
further comprising the step of transferring the resources to

the user at a location when and where the resources are needed.

34. The program storage device as recited in claim 33,
wherein the step of transferring the resources to the user
5 includes blocking unwanted messages to the user.